USEPA Electronic Data Interchange Standards Development Effort
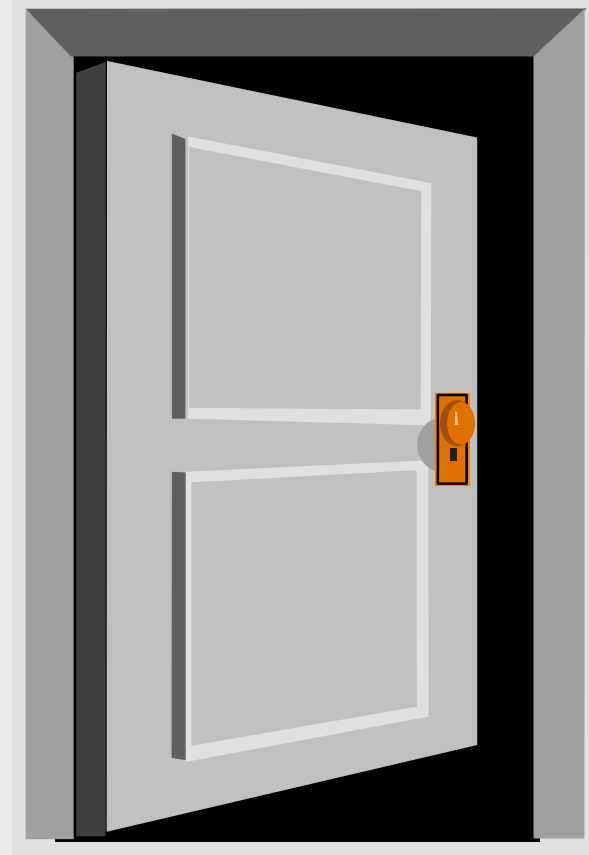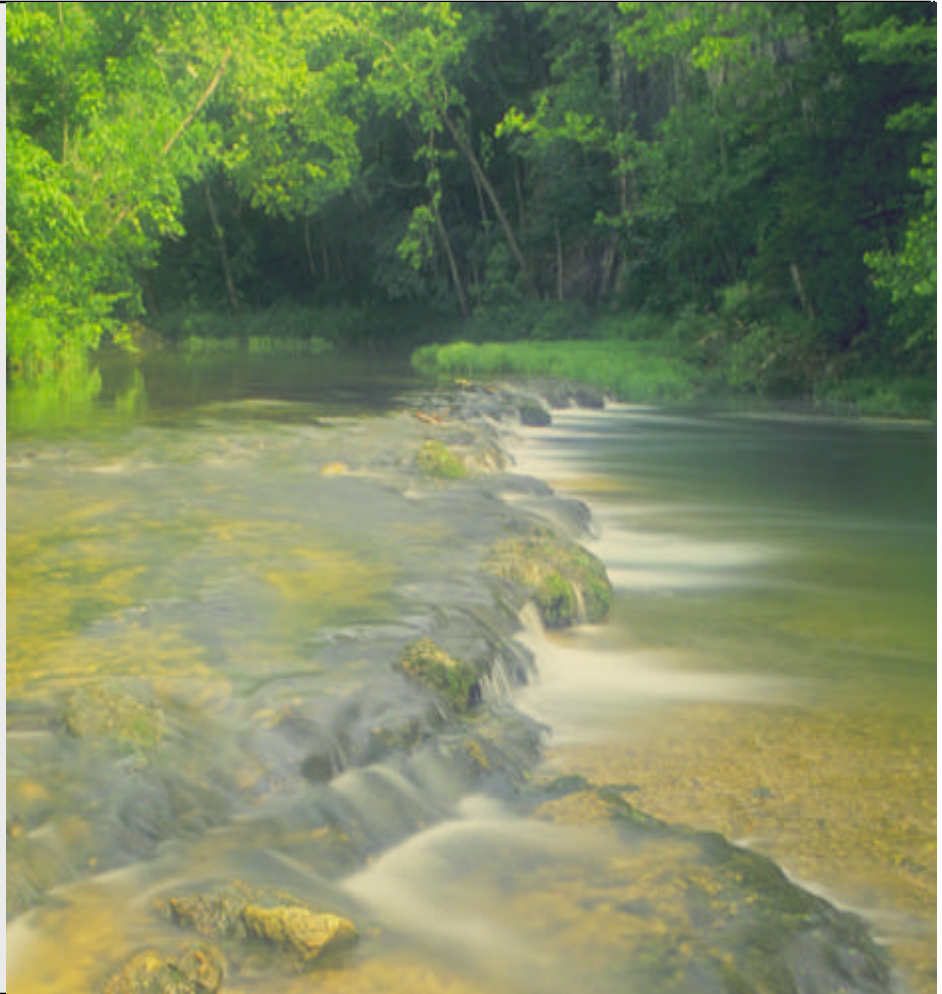
Matthew Leopard

Leo Gueriguian

U.S. EPA

Today's Topics...

- **Overview**
- **The EPA's Goals**
- **EPA's EDI Standards Development Initiative**
- **BRS Highlights**
- **Milestones**
- **Issues/Questions**

EPA "Reinventing Environmental Information" GOALS

- By 2000, at least one electronic reporting method available for each major program

- By 2003, 'universal access' to electronic reporting for all environmental programs

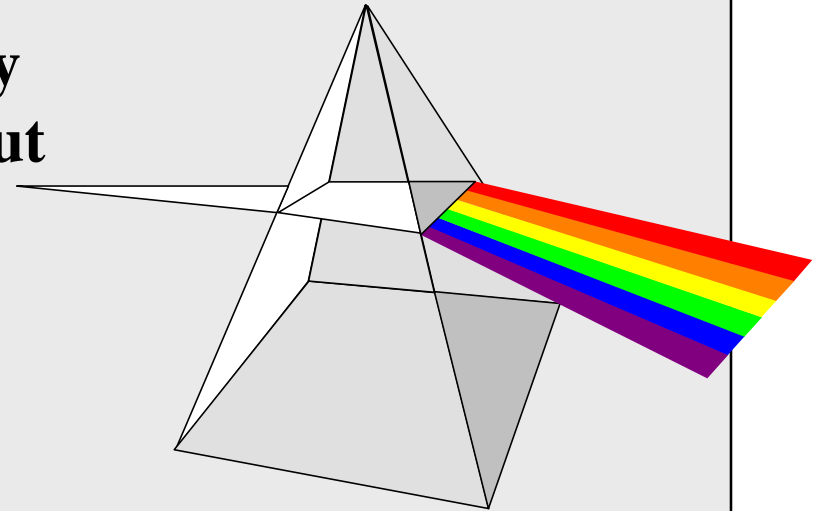# An ER Approach to Address Our Different Customers

- **Regulated big business**
- **SMEs**
- **State agencies**
- **EPA program offices**
- **The enforcement community**
- **Other data users, including the public**
- **Software vendor community**

02/19/99

A Flexible Approach

To support this varied community the EPA will operate a flexible (but not open-ended approach) to ER For Biennial Reporting, we are targeting for State to EPA data submission:

■ **Electronic Data Interchange using the American National Standards Institute's (ANSI) X12 formats**

A Building Block: EDI Standards

Industry-standard (ANSI) formats for EPA reports to:

- *support enterprise-wide ER approaches for EPA, the states and regulated companies*

- *fit within the federal ER infrastructure*

- *take advantage of COTS solutions*

Why EDI?

- **Open standards, non-proprietary**
- Federal Information Processing Standard (FIPS 161)
- USEPA Policy (July, 1990; September, 1996)
- Implemented for other EPA applications, used by other government agencies
- Widely used in industry along with other E-commerce approaches

02/19/99

EDI Standards: FY99 Workplan

- **Task:** EDI standards development as format option for all EPA national systems under REI

- **Highlights:**
  - Business process analyses for major EPA systems
  - National EDI standards and implementation guidelines for all major reports associated with these systems
  - Proposed new draft ANSI X12 environmental transaction set to support integrated cross-media reports
  - Validate standard and test EDI infrastructure @ EPA to receive EDI submissions

Biennial Reporting System (BRS): EDI Standards Effort Highlights

- Design an EDI Implementation Convention (IC) that will map BRS submission requirements to EDI standard syntax

- Develop an accompanying Implementation Guideline IG to describe the technical implementation of the BRS IC

- Test and Implement EPA's Ability to Receive EDI submissions

- Meet with Vendor Community to Discuss Implementation Issues

Implications For You

- EPA is not dictating that EDI must be used as the data format for BRS transmissions between your vendor systems and EPA HQ

- EPA is encouraging you to consider EDI transmissions as at least one of the means in your system for accepting data electronically.

Schedule of BRS
EDI Standards Development

- Feb 1999 Project Proposal submitted to X12

- Jun 1999 Transaction set detail submitted

- Aug 1999 First technical review

- Oct 1999 Second technical review

- Nov 1999 X12 Ballot

- Feb 2000 Formal approval

- Dec 2000 Standard published

- Jan 2000 BRS Vendor Meeting - EDI Standards

Questions?

Matt Leopard, Project Manager @ 202 260-2468
Leopard. Matthew@epamail.epa.gov

Leo Gueriguian, Alt Project Manager @ 202 260-2557
Gueriguian.Leo@epamail.epa.gov

Also Check www.epa.gov/ec_edi/ for
news on E-commerce efforts!